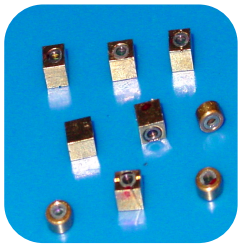
1070nm Free Space Optical Isolator

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

APPLICATIONS

- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Transmitters and Fiber Lasers
- CATV Networks



SPECIFICATIONS

Parameter	Unit	Single Stage	Dual Stage
Center Wavelength (λc)	nm	1070	
Bandwidth	nm	+/-10	
Peak Isolation (Typ.)	dB	32	50
Isolation (λc, 23°C)	dB	≥28	≥45
Typ. Insertion Loss (λc, 23°C)	dB	1.3	2.2
Max. Insertion Loss (λc, 23°C)	dB	1.5	2.4
Clear Aperture	mm	≥(Φ)0.8	
Maximum Optical Power (CW)	mW	300	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	mm	(Φ)3.0x3.9	

Note: 1. Devices for higher optical power and pulse power are also available.

2. Other package dimesnions and clear aperture are also available on request.

ORDERING INFORMATION (PN)

FISF- NNNN - C - NNxNN

Center Wavelength
1070=1070nm

Stage
S= Single Stage
D= Dual Stage

Dimension
30x39=(Φ)3.0x3.9mm